

CLAIMS

Ans a¹ B¹ 7

1. A single-use feed bottle made of plastics materials, the bottle including a body for holding a quantity of milk or other liquid, the body having a mouth, which is sealable in a fluid tight manner by means of a screw-threaded closure, the closure and the body having on their inner and outer surfaces respectively mutually cooperating formations to cause the closure to be irremovable from the body after the closure has reached a limit position on the body, in which it forms a fluid-tight fit with the body, and in which a teat having a flange of smaller diameter than the inner diameter of the mouth of the body is clamped to the closure by a retainer member so as to render the teat irremovable from the closure, wherein the retainer member has a periphery clamped between the closure and the rim of the body when the closure is in irremovable position.
2. A bottle as claimed in claim 1, wherein the mutually cooperating formations comprise a set of ratchet teeth on the closure which cooperate with a lug carried by the body.
3. A bottle as claimed in claim 2, wherein the lug of the body is provided by one of a set of ratchet teeth on the body.
4. A bottle as claimed in claim 1, 2 or 3 made by an aseptic process.
5. A bottle as claimed in any one of claims 1 to 4, in which the retainer member has an integral central stub cylinder which projects into the interior of the teat.

6. A bottle as claimed in any one of claims 1 to 5, wherein the retainer member has a vent hole in a region which traps the teat flange against the closure.

7. A bottle as claimed in any one of the preceding claims, in which the body is made of polypropylene, and has been formed by an injection-moulding operation.

8. A bottle as claimed in any one of claims 1 to 4, in which the closure, or closure and retainer, is or are made of high-density polyethylene by an injection-moulding operation.

9. A bottle as claimed in any one of the preceding claims, including a teat shield having an opening which is a push fit on a shoulder forming part of the closure.

10. A bottle as claimed in claim 9, in which the shield has in its opening a series of inward projections which engage a complementary recess in the closure.

11. A bottle as claimed in any one of the preceding claims, in which the body is made of transparent or translucent material, and carries at least one series of graduation markings enabling the volume of liquid in the body to be ascertained visually by inspection.

12. A feed bottle as claimed in any one of claims 1 to 11, wherein the retainer member has an outer diameter less than the inner diameter of the mouth of the body, and in which the member is held in place on the closure by virtue of the resilience of the teat material.

16

13. A bottle as claimed in any one of the preceding claims, in which the teat is made of a thermoplastics elastomer.

14. A bottle as claimed in any one of the preceding claims, in which the closure and teat are made of dissimilar plastics materials by a two-stage aseptic process, in one stage of which one component is formed, and in the other stage of which the other component is formed in such a way that it becomes bonded to the said one component.

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